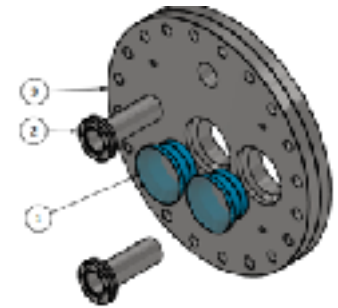


Procurement Status, 02/17/2021

- **MDC top flange weldment**

- \$685/unit; Order placed for 2 units on Feb. 16
- Lead time: 6 weeks



- **Periscope PEEK Gear machining**

- 5 gears: \$465/gear; 10 gears: \$446.75/gear; 3 gears: \$491.67/gear;
- Placed order for 3 gears on Feb. 12 (lead time: 4 weeks)

- **Eksma Optics** dual-band mirrors (<https://eksmaoptics.com/optical-components/dielectric-mirrors/dual-band-laser-mirrors-062-2653/>)

- \$164/piece; Vendor from Lithuania; can't do a P-Card purchase, will have to go through longer PR process for a \$300 value — not efficient
- LIP placed order for two mirrors; 1 mirror has long lead time but we will get one soon

• Visible Laser + Mounting Kit

- Upon consultation with John Charonko, finalized class-2 green laser and mounting kit
- Same laser previously selected by Vern (spec sheet attached to agenda); some changes to mounting kit due to long lead times on some parts
- Green laser: <https://www.thorlabs.com/thorproduct.cfm?partnumber=CPS532-C2> (\$172)
- Mounting kit (basically everything in the CPS11K table under that column except for KM100T which we will replace with K5X1) with parts ordered separately:



[Click to Enlarge](#)
CPS650F Mounted on a
CPS11K Kit

Mounting Kit Components				
Item #	CPS08K	CPS08K-EC	CPS11K	CPS11K-EC
Laser Module Mounting Adapter	AD8F		AD11F	
Kinematic Mirror Mount	KM100T			
Ø1/2" Post	TR3	TR75/M	TR3	TR75/M
Ø1/2" Post Holder	PH3	PH75/M	PH3	PH75/M
Mounting Base	BA2	BA2/M	BA2	BA2/M
Power Supply	LDS5	LDS5-EC	LDS5	LDS5-EC

KM100T has long lead time; replace this with 5-axis kinematic mount K5X1; expensive but only 1 week lead time and provides better adjustments for alignment

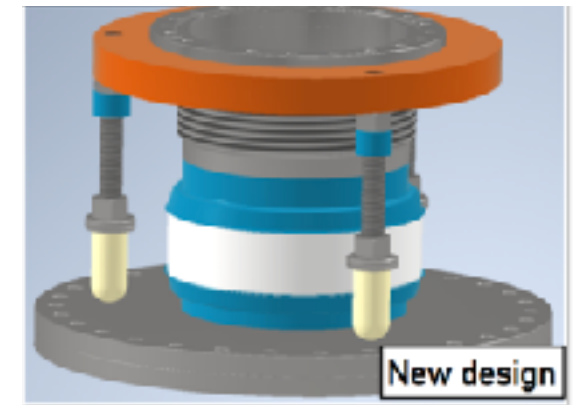
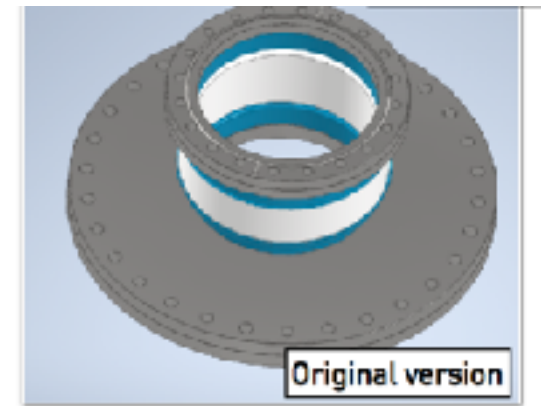


Visible Laser Mounting Kit with K5X1 (~\$400 total)

- Laser module mounting adapter AD11F: <https://www.thorlabs.com/thorproduct.cfm?partnumber=AD11F> (\$31)
- Kinematic mount K5X1: <https://www.thorlabs.com/thorproduct.cfm?partnumber=K5X1#ad-image-0> (\$256)
- Optical Post TR3 (mounting <https://www.thorlabs.com/thorproduct.cfm?partnumber=TR3>) (\$6)
- Optical post holder PH3: <https://www.thorlabs.com/thorproduct.cfm?partnumber=PH3#ad-image-0> (\$9)
- Mounting Base BA2: <https://www.thorlabs.com/thorproduct.cfm?partnumber=BA2#ad-image-0> (\$8)
- Power supply LDS5: <https://www.thorlabs.com/thorproduct.cfm?partnumber=LDS5> (\$92)
- **Order placed Feb. 12; 7-10 day lead time**

- **MDC dielectric break (ongoing)**

- Updated quote received from MDC (quote attached to agenda)
- Jan confirming the specifications
- Plan to place order for one unit; lead time 5 weeks



- **Motor/encoder/driver (ongoing)**

- Plan to go with the oriental absolute encoder; currently finalizing driver options (more from Vladimir later today)
- Depending on the lead time of these items, we will decide whether to send together or send rotary stage first so leak tests can go ahead

- **Cryogenics Platform (ongoing)**

- Eric getting final quotes; order will need to go out ASAP
- 8-10 week lead time

- **Periscope PEEK machining (upcoming)**
 - Jan/Eric to finalize the design; then need to get a quote
 - More from Jan/Eric later
- **End wall system larger rotary stage (RNN-800) (upcoming)**
 - Jose/Rui to confirm to proceed with procurement
 - Jan/Sowjanya to contact for a quote from Thermionics (Rick Killiam)
 - Long lead times, need to place order soon if design final
- **Top FC translation stage (upcoming)**
 - Mattia's simulations in final stages (more from Mattia today)
 - Need to make a decision very soon to start procurement, long lead times